

GenCore version 5.1.5
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OM nucleic - nucleic search, using sw model

Run on: May 15, 2003, 02:44:34 ; Search time 196 Seconds
(without alignments)
5671.955 Million cell updates/sec

Title: US-09-804-472-1

Perfect score: 3625

Sequence: 1 gaccaccagttgcttcagcga.....aaaaaaaaaaaaaaaaaaaaa 3625

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 segs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA:*
1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/2/ina/PCRTUS_COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	152.4	4.2	14507	3 US-08-785-150-1	Sequence 1, Appl1
2	152.4	4.2	14507	4 US-09-660-299-1	Sequence 1, Appl1
3	152.4	4.2	14507	4 US-09-435-377-1	Sequence 1, Appl1
4	109	3.0	144	1 US-08-702-344-26	Sequence 26, Appl1
5	108.4	3.0	1447	4 US-09-443-041A-27	Sequence 27, Appl1
6	108	3.0	2184	4 US-08-955-218C-1	Sequence 1, Appl1
7	108	3.0	2184	4 US-08-697-766A-1	Sequence 1, Appl1
8	107.4	3.0	1117	4 US-09-247-373B-33	Sequence 33, Appl1
9	106.8	2.9	2634	4 US-09-463-238-3	Sequence 3, Appl1
10	106.6	2.9	1066	1 US-08-157-101A-4	Sequence 4, Appl1
11	106.4	2.9	240	1 US-08-628-417-6	Sequence 6, Appl1
12	106.4	2.9	2246	4 US-09-363-708-3	Sequence 3, Appl1
13	106.2	2.9	1872	4 US-09-801-052-1	Sequence 1, Appl1
14	106.2	2.9	3275	4 US-09-370-838-151	Sequence 151, Appl1
15	106	2.9	2082	2 US-08-785-310A-2	Sequence 2, Appl1
16	105.6	2.9	2674	4 US-09-817-180-1	Sequence 1, Appl1
17	105.2	2.9	1798	4 US-09-797-906-1	Sequence 1, Appl1
18	104.6	2.9	2447	2 US-09-014-869-14	Sequence 14, Appl1
19	104	2.9	1733	3 US-09-073-569-1	Sequence 1, Appl1
20	103.6	2.9	1813	4 US-09-071-224-3	Sequence 3, Appl1
21	103.6	2.9	1882	4 US-09-370-253-1	Sequence 1, Appl1
22	102.6	2.8	2186	4 US-09-360-545-66	Sequence 66, Appl1
23	101.4	2.8	2269	4 US-09-394-645-1	Sequence 1, Appl1
24	101.4	2.8	2269	4 US-09-243-560B-1	Sequence 1, Appl1
25	101	2.8	1051	4 US-09-245-041-10	Sequence 10, Appl1
26	101	2.8	1454	4 US-09-372-422A-19	Sequence 19, Appl1
27	100.8	2.8	1474	4 US-08-821-994-64	Sequence 64, Appl1

28	100	2.8	111	4 US-09-297-535-23	Sequence 23, Appl1
29	100	2.8	117	1 US-08-702-344-3	Sequence 3, Appl1
30	100	2.8	121	4 US-09-297-535-20	Sequence 20, Appl1
31	100	2.8	6671	1 US-08-280-443-1	Sequence 1, Appl1
32	100	2.8	6671	1 US-08-457-459-1	Sequence 1, Appl1
33	100	2.8	6671	1 US-08-555-678-1	Sequence 1, Appl1
34	100	2.8	6671	5 PCT-US95-02275-1	Sequence 1, Appl1
35	100	2.8	9589	1 US-07-925-695-1	Sequence 1, Appl1
36	100	2.8	9589	1 US-07-925-695-2	Sequence 2, Appl1
37	99.2	2.7	140	1 US-08-628-417-5	Sequence 5, Appl1
38	98.8	2.7	578	4 US-09-602-877A-95	Sequence 95, Appl1
39	97.8	2.7	2806	4 US-09-653-839-9	Sequence 9, Appl1
40	97	2.7	98	1 US-08-088-658-42	Sequence 42, Appl1
41	97	2.7	98	2 US-08-471-907A-42	Sequence 42, Appl1
42	96.8	2.7	790	4 US-09-363-970-4	Sequence 4, Appl1
43	95.8	2.6	2323	4 US-09-149-476-24	Sequence 24, Appl1
44	94.2	2.6	1582	3 US-08-545-196B-10	Sequence 10, Appl1
45	94.2	2.6	1582	3 US-08-545-196B-12	Sequence 12, Appl1

ALIGNMENTS

RESULT 1
US-08-785-150-1
; Sequence 1, Application US/08785150
; Patent No. 6027915
; GENERAL INFORMATION:
; APPLICANT: Morris, Arvia E.
; APPLICANT: Lee, Chi-Chang
; APPLICANT: Thomas, James N.
; TITLE OF INVENTION: Expression Augmenting Sequence Elements
; Patent No. 6027915
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple Operating System Software 7.1
; SOFTWARE: Microsoft Word for Macintosh, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,150
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/586,509
; FILING DATE: 11-JAN-96
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; TELEPHONE: (206)587-0430
; TELECOMMUNICATION INFORMATION:
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14507 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: No. 6027915 Relevant
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Chinese hamster
; IMMEDIATE SOURCE:
; CLONE: 2A5-3 lambda CHO sequence


```

ADDRESS: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/697,766A
FILING DATE: 29-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Silverl, Jean M.
REGISTRATION NUMBER: 39,030
REFERENCE/DOCKET NUMBER: NMI-007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEX: (617)227-5941
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2184 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 569..1616
US-08-697-766A-1
Query Match 3.0%; Score 108; DB 4; Length 2184;
Best Local Similarity 79.7%; Pred. No. 3.6e-13;
Matches 126; Conservative 1; Mismatches 31; Indels 0; Gaps 0;
QY 3468 ATGATATACAGTGCTGTGGCATTAATTAATAAAATGCTGCCTTGAACGTAAGA 3527
||| ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 2017 ATGGGGGACGAGGGCCAGCACGCCACATCCCCAATTAAGCGCGCTTGGCMAAAAAA 2076
QY 3528 GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3587
||||| ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 2077 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2136
QY 3588 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3625
||||| ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 2137 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2174
RESULT 8
US-09-247-373B-33
Sequence 33, Application US/09247373B
Patent No. 6168954
GENERAL INFORMATION:
APPLICANT: MCGONIGLE, BRIAN
APPLICANT: O'KEEFE, DANIEL
TITLE OF INVENTION: SOYBEAN GLUTATHIONE-S-TRANSFERASE ENZYMES
FILE REFERENCE: CL-1108-A
CURRENT APPLICATION NUMBER: US/09/247,373B
CURRENT FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 08/924,747
PRIOR FILING DATE: 1997-09-05
NUMBER OF SEQ ID NOS: 56
SOFTWARE: Microsoft Office 97
SEQ ID NO 33
LENGTH: 1117
TYPE: DNA
ORGANISM: SOYBEAN
FEATURE:
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; NAME/KEY: unsure
; LOCATION: (1101)
; OTHER INFORMATION: M-A OR C
; NAME/KEY: unsure
; LOCATION: (1104)
; OTHER INFORMATION: M-A OR C
; NAME/KEY: unsure
; LOCATION: (1116)
; OTHER INFORMATION: N-G OR A OR T OR C
US-09-247-373B-33

Query Match
Best Local Similarity 71.5%; Score 107.4; DB 4; Length 1117;
Matches 138; Conservative 2; Mismatches 53; Indels 0; Gaps 0;

QY 3433 TCTATGCAATTTCTATTTCTAAAGTCTACTATGATATACAGTGTGACAT 3492
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DB 913 TTGATGTCATTAATCTTACTTATGATGCTTAATTAATTAATTAATGATG 972
QY 3493 AATTAAATAAATGCTGCTGCTTGACAGTAAGAGAAAAA 3552
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 973 CAATTAATCATTAATTCATCTTTAAATAAATAAATAAATAAATAAATAA 1032
QY 3553 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3612
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1033 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1092
QY 3613 AAAAAAAAAAAAAA 3625
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DB 1093 CAAAAAAAAAAAAA 1105

RESULT 9
US-09-463-238-3
; Sequence 3, Application US/09463238
; Patent No. 6469230
; GENERAL INFORMATION:
; APPLICANT: Edwards, Elizabeth A
; APPLICANT: Smith, Alison M
; APPLICANT: Bustos Guillen, Regla
; APPLICANT: Martin, Catherine R
; APPLICANT: Plant Bioscience Limited
; TITLE OF INVENTION: Starch Debranching Enzymes
; FILE REFERENCE: 97.118
; CURRENT APPLICATION NUMBER: US/09/463,238
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: PCT/GB98/02280
; PRIOR FILING DATE: 1998-07-30
; PRIOR APPLICATION NUMBER: GB 9716185.5
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2634
; TYPE: DNA
; ORGANISM: Solanum tuberosum
US-09-463-238-3

Query Match
Best Local Similarity 87.3%; Score 106.8; DB 4; Length 2634;
Matches 117; Conservative 0; Mismatches 17; Indels 0; Gaps 0;
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RESULT 10
US-08-157-101A-4
; Sequence 4, Application US/08157101A
; Patent No. 5808032
; GENERAL INFORMATION:
; APPLICANT: KURIHARA, TATSUYA
; APPLICANT: MATSUKURA, SHIGEKAZU
; APPLICANT: TSURUOKA, NOBUO
; APPLICANT: ARIMA, KENJI
; APPLICANT: NISHIHARA, TATSURO
; TITLE OF INVENTION: ANTI-HBS ANTIBODY GENES AND EXPRESSION
; TITLE OF INVENTION: PLASMIDS THEREFOR
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PILLSBURY, MADISON & SUTRO
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/157,101A
; FILING DATE: 05-APR-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: TITUS, MARLANA R
; REGISTRATION NUMBER: 35843
; REFERENCE/DOCKET NUMBER: 9437/204199
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3711
; TELEFAX: 202-822-0944
; TELEX: 6714627 CUCH
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1066 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-157-101A-4

Query Match
Best Local Similarity 86.1%; Score 106.6; DB 1; Length 1066;
Matches 118; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 3485 TTGAGCATTAATTAATTAATGCTGCTGCTTGACACTAAAGAGAAAAA 3544
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DB 904 TGGAGGAGAAATGAATTAATTAAGTGAATCTTGCAAAAAA 963
QY 3545 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3604
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 964 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1023
QY 3605 AAAAAAAAAAAAAA 3621
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1024 AAAAAAAAAAAAAA 1040

RESULT 11
US-08-628-417-6
; Sequence 6, Application US/08628417
; Patent No. 5627054
; GENERAL INFORMATION:
; APPLICANT: GILLESPIE, DAVID
; TITLE OF INVENTION: COMPETITOR PRIMER ASYMMETRIC
; TITLE OF INVENTION: POLYMERASE CHAIN REACTION
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      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patentin Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/363.708
      FILING DATE:
      CLASSIFICATION:
      ATTORNEY/AGENT INFORMATION:
      NAME: Clough, David W.
      REGISTRATION NUMBER: 36,107
      REFERENCE/DOCKET NUMBER: 01017/34451
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: (312) 474-6300
      TELEFAX: (312) 474-0448
      INFORMATION FOR SEQ ID NO: 3:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 2246 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: cDNA
      DESCRIPTION: /desc = "mouse PAL cDNA"

US-09-363-708-3

Query Match
Best Local Similarity 87.9%; Pred. No. 7,6e-13;
Matches 116; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

OY 3494 ATTAATATAATGCGTCGCTTTGACACTAAAGAGCAAAAAAAAAAAAAAAAAAAAA 3553
Db 2113 ATTAATATAAGTGAAGTGAACCAAAAAAAAAAAAAAAAAAAAAA 2172
OY 3554 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3613
Db 2173 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2232
OY 3614 AAAAAAAAAAAAA 3625
Db 2233 AAAAAAAAAAAAA 2244

RESULT 13
US-09-801-052-1
Sequence 1, Application US/09801052
Patent No. 6368842
GENERAL INFORMATION:
APPLICANT: BEASLEY, Ellen
TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
TITLE OF INVENTION: PROTEINS, AND USES THEREOF
FILE REFERENCE: CL001045
CURRENT APPLICATION NUMBER: US/09/801,052
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1872
TYPE: DNA
ORGANISM: Human
US-09-801-052-1

Query Match
Best Local Similarity 89.8%; Pred. No. 8e-13;
Matches 114; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

OY 3499 ATAAATGCTCTGCTTTGACAGTAAAGAGCAAAAAAAAAAAAAAAAAAAAAA 3558
Db 1744 ATAAATGCTCTGCTTTGACAGTAAAGAGCAAAAAAAAAAAAAAAAAAAAAA 1803
OY 3559 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 3618
Db 1804 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1863

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QY 3619 AAAAAA 3625
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Db 1864 AAAAAA 1870

RESULT 14

US-09-370-838-151
; Sequence 151, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; EARLIER FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: BlastSeq for Windows Version 3.0
; SEQ ID NO 151
; LENGTH: 3275
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-370-838-151

Query Match 2.9%; Score 106.2; DB 4; Length 3275;
Best Local Similarity 83.9%; Pred. No. 9.2e-13;
Matches 120; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 3483 TGTGAGCATATTAATAAATGCTGCTTGGACAGTAAGAGAAAAA 3542
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Db 3100 TGTGTGCTCAATTAAGTACATGCAAAAAA 3159
|||||

QY 3543 AAAAAA 3602
|||||

Db 3160 AAAAAA 3219
|||||

QY 3603 AAAAAA 3625
|||||

Db 3220 AAAAAA 3242
|||||

RESULT 15

US-08-785-310A-2

; Sequence 2, Application US/08785310A

; Patent No. 5840532

; GENERAL INFORMATION:

; APPLICANT: McKnight, Steven L.

; APPLICANT: Russell, David W.

; TITLE OF INVENTION: Neuronal PAS Domain Protein

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/785,310A

; FILING DATE: 21-JAN-1997

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UTSD-1226
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2082 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-785-310A-2

Query Match

Best Local Similarity 91.8%; Score 106; DB 2; Length 2082;
Matches 112; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 3504 ATGCTGCTGCTTTGACAGTAAGAGAAAAA 3563
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Db 1948 ATGCTGCTGCTTCAAAAA 2007
|||||

QY 3564 AAAAAA 3623
|||||

Db 2008 AAAAAA 2067
|||||

QY 3624 AA 3625
||

Db 2068 AA 2069
||

Search completed: May 15, 2003, 06:51:26
Job time : 402 secs

